

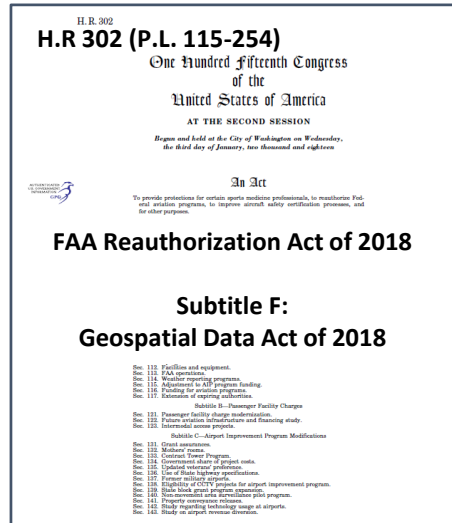
Geospatial Data Act and the GeoPlatform

**2019 Joint HIFLD / GeoPlatform Session
October 29, 2019**

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Deputy Executive Director
Federal Geographic Data
Committee**



Geospatial Data Act (GDA) of 2018



OMB Circular A-16
Revision Pending

Circular A-16: How agencies implement GDA

- OMB revising to meet GDA requirement of providing guidance to agencies on GDA
- Parallels GDA sections
- Recommendations to OMB in July
- OMB internally vetting and preparing draft
- Projected 2-week agency review

Geospatial Data Act

- Federal Geographic Data Committee
- National Geospatial Advisory Committee
- National Spatial Data Infrastructure
- National Geospatial Data Asset Data Themes
- FGDC Office of the Secretariat
- Geospatial Data Standards
- **GeoPlatform**
- Covered Agency Responsibilities
- Limitation on Use of Federal Funds
- Savings Provision (only impacts as stated)
- Private Sector (use as practical)

GeoPlatform's (GP) GDA Touchpoints

Federal Geographic Data Committee (FGDC)

- Ensure the GP operates per the GDA

National Geospatial Advisory Committee (NGAC)

- Advice and recommendations on GP operations

National Spatial Data Infrastructure (NSDI)

- NSDI Strategic Plan, free and open access to data, Global Spatial Data Infrastructure
- Geo-data designed to enhance statistical information

National Geospatial Data Asset (NGDA) Data Themes

- Needs for standards, metadata, within GP; Data dissemination using the GP; coordinate needs with GP

GEOPLATFORM.gov

- FGDC shall operate ... provide public access to geospatial data and metadata; Managing Partner

Covered Agency Responsibilities

- Distribute metadata through GP; Before funding search all sources/GP for data; report agency GP use/support

GeoPlatform's (GP) GDA Touchpoints

Covered Agency Responsibilities

(a)(2) Each covered agency shall – collect, maintain, disseminate, and preserve **geospatial data** such that the resulting data, information, or products can be readily shared with other Federal agencies and non-Federal users



GEOPLATFORM.gov

Covered Agency –
all agencies to
which the law
applies.

The GeoPlatform shall:

(iii) **Include metadata for all geospatial data collected by covered agencies**, directly or indirectly

(iv) **Include download access to all open geospatial data directly or indirectly collected** by covered agencies

(v) Include a set of programming instructions and standards providing an automated means of accessing available geospatial data

(B) **May include geospatial data from a source other than a covered agency**, if determined appropriate by the Committee

(c) CLARIFICATION: - Although the **GeoPlatform is intended to include all NGDA and other Federal datasets**

...

GDA Implementation

Establishment of GDA Tiger Team

- Nov. 2018

Initial impact assessment of GDA

- Oct. 2018 – May 2019

A-16 revision recommendations to OMB

- June to July 2019

High-level implementation roadmap

- Update for Steering Committee October 31, 2019

Updated OMB guidance (Circular A-16)

- OMB release for agency review pending

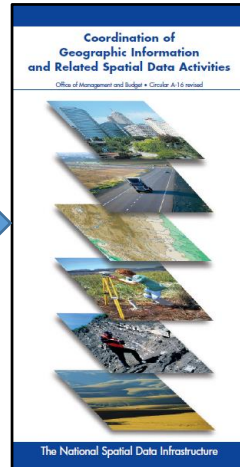
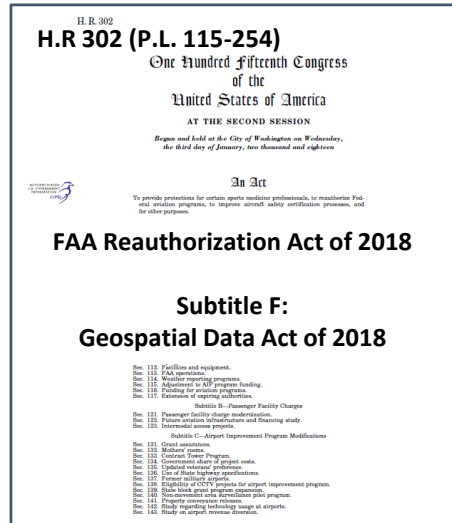
GDA Implementation Strategy / NSDI Strategic Plan

- October 2019 to June 2020

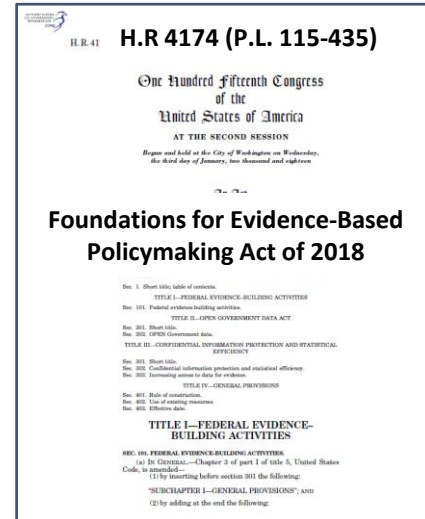
Congressional Report development

- November 2019 to ~ June 2020

Legislative and Executive Directives



OMB Circular A-16
Revision Pending
Oct 2019



Title I: Federal, Evidence-Building Activities
Title II: Open Government Data Act
Title III: Confidential Information Protection and Statistical Efficiency



March 2018

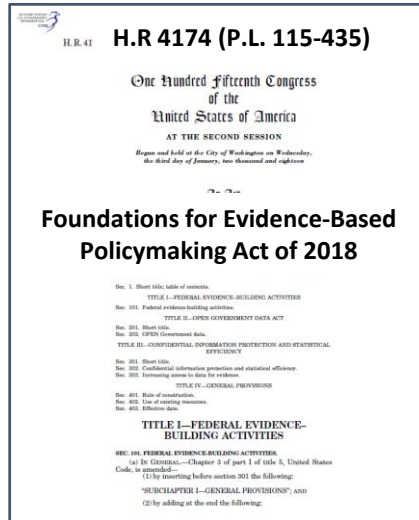


Pending - Oct 2019



Year-1 Pending - Oct 2019

Foundations for Evidence-Based Policymaking Act of 2018



Title I: Federal, Evidence-Building Activities

Title II: Open Government Data Act

Title III: Confidential Information Protection and Statistical Efficiency

Title I: Agency evidence-building plans to address policy, data needs, methods, research

- Consult with stakeholders
- Designate Evaluation Officer, and Statistical Official – serves on Interagency Council on Statistical Policy;
- Federal Advisory Committee on Data for Evidence Building (data sharing, linkage)
- privacy enhancing techniques

Title II: Federal agencies make data open by default

- Open format, machine readable; Open data plans
- Strategic information resources management plan
- Establish priority data assets; report annual usage, metadata
- All data assets inventory; Federal data catalog
- Security/PII considerations
- Chief Data Officers; OMB Chief Data Officer Council
- GAO Reports; Congressional reports

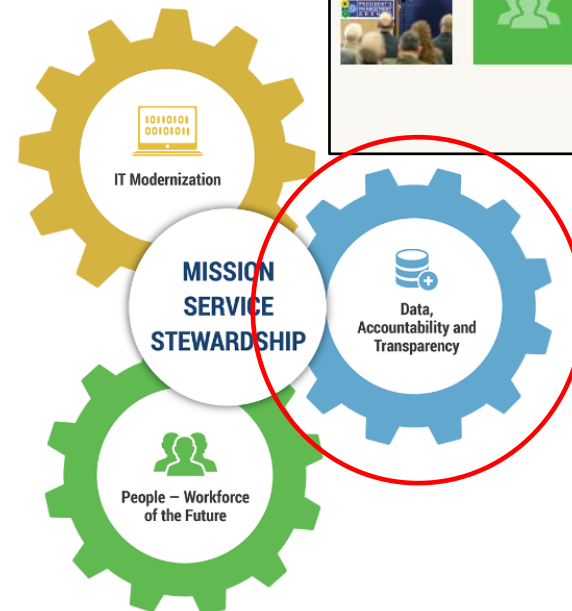
Title III: Information protection; available statistical information; consult stakeholders; secure access control

Federal Data Strategy (FDS) – Context

The President's Management Agenda (PMA)

(OMB, March 2018)

- Long-term vision for modernizing Federal Government
- Effective and modern government capabilities focused on:
 1. **Mission:** Accountable execution with mission-driven results with necessary tools and resources to deliver.
 2. **Service:** Customer service equal or better to public sector.
 3. **Stewardship:** Preventing fraud and maximizing impact of funds.
- Includes 3 “**Key Drivers**” and 8 “**Priority Areas**”
- **Cross-Agency Priority (CAP)** goals are included for each Driver and Priority Area (14 total)





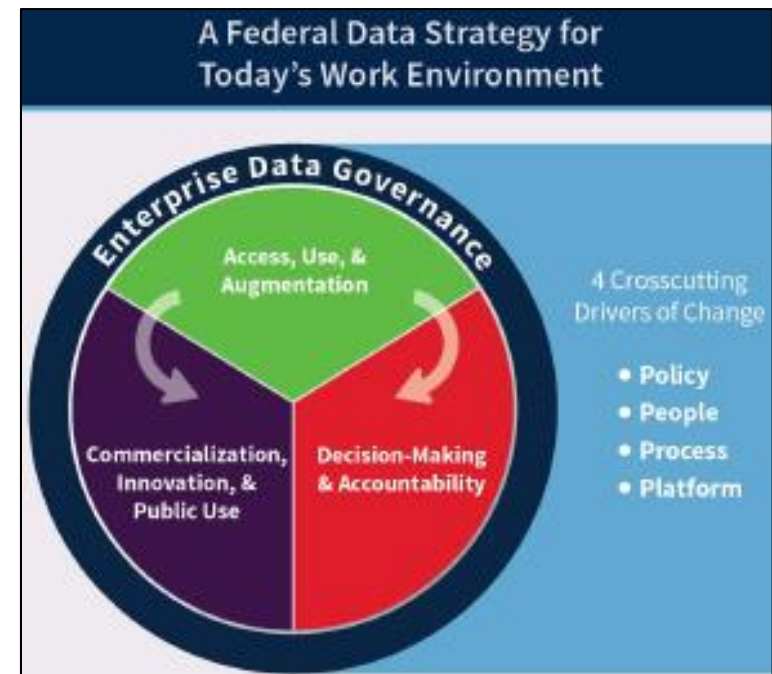
Driver 2 – Data Accountability and Transparency

Creating a Data Strategy and Infrastructure for the Future

Federal Data Strategy – 4 cross-cutting drivers for change applied across strategies

1. Policy – clarify, harmonize, update
2. People – roles and responsibilities for data management, staff investment, data management culture
3. Process – identify priorities, improve coordination, promote maturity
4. **Platform** – coordinated delivery

CAP Goal 2: Leveraging Data as a Strategic Asset

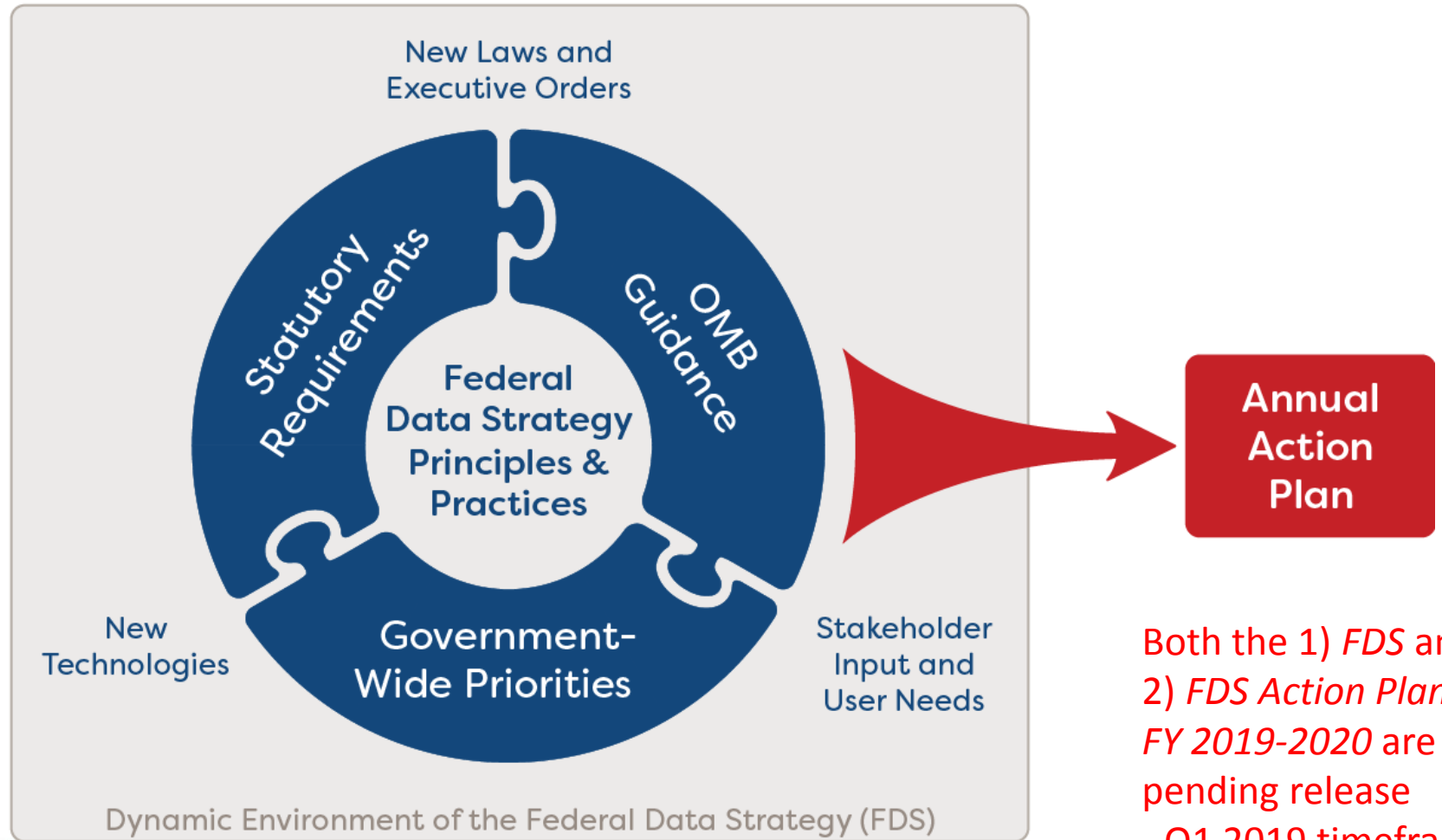


“Platform: Develop effective governance organizations and a suite of tools and applications available across agencies that serve the needs of diverse users and facilitate data integration, exchange, and use.”

How the Geospatial Data Act requirements overlap with Federal Data Strategy & Evidence Act

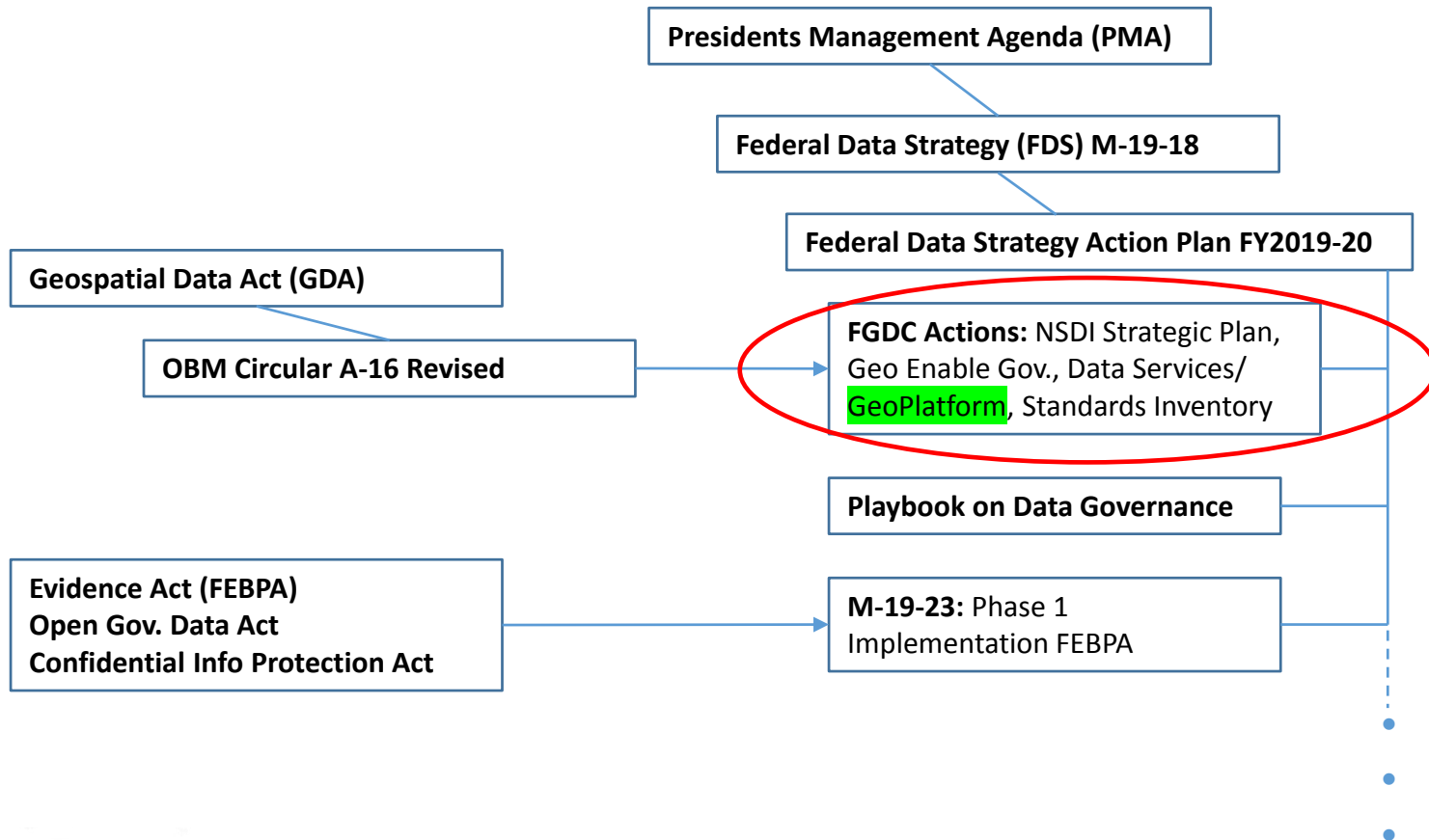
		Federal Data Strategy	Evidence Act
1	Prepare and implement a strategy for advancing geospatial data activities appropriate to the agency's mission		
2	Collect, maintain, disseminate, and preserve geospatial data such that resulting data, information, or products can be shared		
3	Promote geospatial data integration		
4	Ensure that geospatial information is included on agency record schedules that have been approved by the National Archives and Records Administration.		
5	Allocate resources to fulfill geospatial data responsibilities		
6	Use geospatial data standards		
7	Coordinate with other federal agencies, state, local, and tribal governments, institutions of higher education, and the private sector		
8	Make federal geospatial information more useful to the public, enhance operations, support decision making, and enhance reporting to the public and to Congress		
9	Protect personal privacy and maintain confidentiality in accordance with federal policy and law.		
10	Participate in determining whether declassified data can become part of the NSDI		
11	Search all sources to determine if existing data meet the needs of the covered agency before expending funds to acquire geospatial data		
12	Ensure that those receiving federal funds for geospatial data collection provide high-quality data		
13	Appoint a contact to coordinate with other lead covered agencies		

Elements of the Federal Data Strategy



Both the 1) *FDS* and
2) *FDS Action Plan for
FY 2019-2020* are
pending release
- Q1 2019 timeframe.

Conceptual Diagram



DRAFT – FDS Action Plan FY2019-2020

“Government agencies will implement the Federal Data Strategy through steps identified in annual government-wide Action Plans.”

- Annual plans identify priority Action Steps for a given year
 - Actions incrementally build from year to year
 - Actions complement requirements of new statute and policy.
- ❖ Draft Plan went through agency and public review June/July 2019
- ❖ The priority of the Year-1 Action Plan is to align existing efforts and establish a firm basis of tools, processes, and capacities to leverage data as a strategic asset.

FDS Action Types

Government-wide Data Services – one or more agencies lead for the Federal government

Examples: Create OMB Data Council (OMB) *

Pilot Standard Data Catalogs for Data.gov (GSA) *

Cross-Agency Collaboration

Example: Improve Geospatial Data Standards (FGDC) *

Agency-Specific Actions: - implemented by all agencies

Examples: Constitute a Diverse Data Governance Body *

Assess Data and Related Infrastructure Maturity *

Identify Priority Datasets for Agency Open Data Plans *

*From draft plan

Revised FGDC Action

Draft Federal Data Strategy (FDS) Action Plan (was action 11)

- NSDI Strategic Plan (with input from State, local , tribal, academic, private sector)
- Integrate geospatial practices into mainstream Federal Data Enterprise (FDE) - FGDC members and OMB Data Council
- Geospatially enable the FDE – establish a process to identify the spatial attributes of both spatial (with feature geometry) and non-spatial datasets with location attributes for integrated use
- Increase access to spatial data services through the **GeoPlatform** – covered agencies to improve metadata and web services (mainly fixing data, metadata, and data.gov/ **GeoPlatform** processes)
- Identify and inventory geospatial standards – NGDA lead agencies to identify, inventory, publish status of standards for data and metadata (NGDA agency assessments)

FDS – FY 2020 Pilot Proposals

Federal Data Strategy Action Plan – FY2020 Pilot Project (proposals)

1. A Federal government survey to identify high-value GDA investment requirements and incentives to prioritize and advance the NSDI - pilot for a larger NSDI requirements survey for both federal agencies and non-federal entities (modeled after the National Enhanced Elevation Assessment)
2. **GeoPlatform** State and/or Tribal Data Services Partnering Value Proposition Prototype

Other FGDC GeoPlatform (GP) Touchpoints

- Presidents Management Agenda and FDS
 - Platform - to support cross agency and user data needs and exchange to leverage data as a strategic asset
- OMB Guidance (draft)
 - Draft A-16 Guidance: Use and responsibilities per GDA
 - Per OMB A-11: Marketplace reporting of planned investments
- OGC Disasters Interoperability Initiative
- Group on Earth Observations (GEO) and GEO System of Systems
- GeoPathways internship program (17 universities in 2019), students used GP and NGDAs in their activities

Parting Thoughts

The GeoPlatform is now part of law and OMB policy directing its use from 2 of the 3 branches of U.S. government.

The GeoPlatform is an OMB shared service and part of agencies' required data enterprise.

THANK YOU